

MILLER=STEPHENSON CHEMICAL CO INC. -- MS122N/CO2 TFE RELEASE AGENT/DRY LUBRICANT
-- 9150-00-349-9290

===== Product Identification =====

Product ID:MS122N/CO2 TFE RELEASE AGENT/DRY LUBRICANT

MSDS Date:11/01/1993

FSC:9150

NIIN:00-349-9290

MSDS Number: BRNLL

=== Responsible Party ===

Company Name:MILLER=STEPHENSON CHEMICAL CO INC.

Address:GEORGE WASHINGTON HIGHWAY

Box:950

City:DANBURY

State:CT

ZIP:0

6810

Country:US

Info Phone Num:203-743-4447

Emergency Phone Num:203-797-2212/800-424-9300(CHEMTREC)

Preparer's Name:JANET STEPHENS

CAGE:KO311

=== Contractor Identification ===

Company Name:MILLER-STEPHENSON CHEMICAL CO INC

Address:55 BACKUS AVE/GEORGE WASHINGTON HWY

Box:950

City:DANBURY

State:CT

ZIP:06810

Country:US

Phone:203-743-4447

CAGE:18598

Company Name:MILLER=STEPHENSON CHEMICAL CO INC.

Address:GEORGE WASHINGTON HIGHWAY

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Composition/Information on Ingredients
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Ingred Name:DICHLOROFLUOROETHANE/1,1-DICHLORO-1-FLUOROETHANE
CAS:1717-00-6
RTECS #:KI0997000
Fraction by Wt: 92 - 95%
Other REC Limits:NONE RECOMMENDED
Ozone Depleting Chemical:2

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 2 - 4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:TELOMERS OF TETRAFLUOROETHYLENE
CAS:79070-11-4
F
raction by Wt: 1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 2 - 4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;94

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: VAPOR IS HEAVIER THAN AIR
AND CAN CAUSE SUFFOCATION BY
REDUCING OXYGEN AVAILABLE FOR
BREATHING. BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE
LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF B REATH, NARCOSIS,
CARDIAC IRREGULARITIES,UNCONSCIOUSNESS OR DEATH.
EYE/SKIN:IRRITATION.
Explanation of Carcinogenicity:NONE OF THE MATERIALS IN THIS SUBSTANCE
IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Effects of Overexposure:BREATHING HIGH CONCENTRATIONS OF VAPOR MAY
CAUSE LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, CARDIAC

IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. SKIN AND EYES:IRRITAION.
Medical Cond Aggravated by Exposure:PERSONS WITH KNOWN HISTORY OF HEART
DISEASE OR IRREGULARITIES OF HEARTBEAT SHOULD BE PARTICULARLY
CAREFUL TO AVOID OVEREXPOSURE.

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===== First Aid Measures =====

First Aid:INALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. IF NOT
BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,
GIVE OXYGEN. DO NOT GIVE EPINEPHRINE OR SIMILAR
DRUGS. EYE: FLUSH
WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN:
WASH WITH SOAP AND WATER. IF FROSTBITE, WARM SKIN SLOWLY. GET
MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:NON-FLAMMABLE
Lower Limits:7.4
Upper Limits:15.5
Extinguishing Media:WATER SPRAY OR FOG, FOAM, DRY CHEMICAL OR CARBON
DIOXIDE.
Fire Fighting Procedures:USE NORMAL PROCEDURES. KEEP AEROSOL CANS COOL
TO PREVENT
RUPTURE.
Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CONTAINERS AT
ELEVATED TEMPS MAY RUPTURE OR BURST. VAPORS THAN AIR AND MAY TRAVEL
TO A SOURCE OF IGNITION AND FLASH BACK.

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. KEEP UPWIND, EVACUATE
PERSONNEL. DISPERSE GAS WITH FLOOR-LEVEL FORCED AIR VENTILATION OR
WATER SPRAY. DO NOT SMOKE. REMOVE SOURCES OF IGNITION. WEAR
SELF-CONTAINED BREATHING APPARATUS.

Neu
tralizing Agent:NONE

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A CLEAN, COOL, DRY AND WELL-
VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FROM PHYSICAL
DAMAGE AND KEEP TIGHTLY CLOSED.
Other Precautions:AVOID BREATHING VAPOR, LIQUID CONTACT WITH EYES, SKIN
OR CLOTHING. DO NOT DROP, REUSE, OR REFILL CONTAINER. DO NOT STORE
NEAR HEAT OR IN DIRECT SUN. KEEP CONTAINERS BELOW 120 F. READ LABEL
BEFORE USE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED FOR ADEQUATELY VENTED WORK SITUATIONS. FOR ACCIDENTAL OR NON-VENTILATED SITUATIONS, USE A SELF- CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR, APPROVED BY NIOSH.

Ventilation:PROVIDE LOCAL AND MECHANICAL EXHAUST WHEN USED.

Protective Gloves:SYNTHETIC INSULATED RUBBER GLOVE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:USE IMPERVIOUS CLOTHING TO PROTECT EXPOSED

SKIN FROM LIQUID CONTACT.

Work Hygienic Practices:DO NOT SMOKE IN AREA WHILE PRODUCT IS IN USE.

WASH THOROUGHLY AFTER AFTER HANDLING PRODUCT.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

===== Physical/Chemical Properties =====

HCC:V2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:104F,40C

Vapor Pres:10 PSI 21C

Vapor Density:4.0

Spec Gravity:1.23

pH:NEUTRL

Evaporation Rate & Reference:1 (CCL4=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:MILKY WHITE LIQUID - FAINT ETHEREAL ODOR

Percent Volatiles by Volume:99

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CAUSTICS, UNSTURATES SUCH AS VINYLIDINE CHLORIDE, SHICH CAN FORM EXPLOSIVE PEROXIDES.

Stability Condition to Avoid:HEAT, SPARKS AND FLAME.

Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC ACIDS, OXIDES OF CARBON.

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Disposal Considerations =====

Waste Disposal Methods: BEST TO RECYCLE OR RECLAIM. WASTE MATERIAL IS A LAND-BANNED HAZARDOUS WASTE (CODE U121 OR F002). CONSULT FEDERAL, STATE, OR LOCAL AUTHORITIES FOR PROPER DISPOSAL PROCEDURES.

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